

Comparisons of Job Characteristics

Focus Occupation: [Medical Appliance Technicians \(51-9082\)](#)

Associated Occupation: [Orthotists and Prosthetists \(29-2091\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Medical Appliance Technicians (51-9082)

Associated Occupation: Orthotists and Prosthetists (29-2091)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|---|
| Customer and Personal Service | 11.3 | 20.3 | 18.9 | 0 | Current knowledge level may be sufficient |
| Engineering and Technology | 5.7 | 16.2 | 11.4 | << | Extensive education and/or training may be required |
| Psychology | 6.4 | 15.7 | 8.5 | << | Extensive education and/or training may be required |
| Mechanical | 6.8 | 15.6 | 16.0 | 0 | Current knowledge level may be sufficient |
| Production and Processing | 6.0 | 15.2 | 17.7 | > | Current knowledge level is likely sufficient |
| Design | 5.2 | 14.0 | 12.9 | 0 | Current knowledge level may be sufficient |
| Medicine and Dentistry | 3.7 | 13.6 | 9.4 | << | Extensive education and/or training may be required |
| Administration and Management | 8.4 | 13.1 | 7.8 | << | Extensive education and/or training may be required |
| Sales and Marketing | 5.2 | 12.1 | 5.6 | << | Extensive education and/or training may be required |
| Therapy and Counseling | 3.8 | 10.9 | 8.0 | << | Extensive education and/or training may be required |
| Personnel and Human Resources | 5.6 | 10.0 | 6.0 | << | Extensive education and/or training may be required |
| Physics | 4.3 | 10.0 | 5.1 | << | Extensive education and/or training may be required |
| Biology | 3.7 | 8.0 | 4.2 | << | Extensive education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 47

Focus Occupation: Medical Appliance Technicians (51-9082)
Associated Occupation: Orthotists and Prosthetists (29-2091)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|----|--|
| Active Listening | 11.0 | 14.0 | 11.9 | < | A higher skill level may be required |
| Speaking | 10.8 | 13.7 | 11.0 | < | A higher skill level may be required |
| Service Orientation | 7.9 | 10.8 | 10.6 | 0 | Current skill level may be sufficient |
| Instructing | 7.8 | 10.7 | 7.7 | << | Extensive development of skills in this area may be required |
| Operations Analysis | 5.0 | 9.4 | 5.5 | << | Extensive development of skills in this area may be required |
| Technology Design | 2.6 | 5.7 | 7.3 | > | Skill level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Medical Appliance Technicians (51-9082)
Associated Occupation: Orthotists and Prosthetists (29-2091)

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|--|
| Oral Expression | 12.4 | 15.0 | 12.3 | < | Some improvement in abilities may be required |
| Oral Comprehension | 12.5 | 14.7 | 12.5 | < | Some improvement in abilities may be required |
| Problem Sensitivity | 11.1 | 13.7 | 12.7 | 0 | Current ability level may be sufficient |
| Inductive Reasoning | 10.2 | 13.6 | 10.6 | << | Extensive improvement in abilities may be required |
| Deductive Reasoning | 10.6 | 12.9 | 11.9 | 0 | Current ability level may be sufficient |
| Written Expression | 9.8 | 12.6 | 8.0 | << | Extensive improvement in abilities may be required |
| Visualization | 7.5 | 11.2 | 12.6 | > | Current ability level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: Medical Appliance Technicians (51-9082)
Associated Occupation: Orthotists and Prosthetists (29-2091)

| Work Activities | Exclusivity of Activity |
|--|-------------------------|
| Use interpersonal communication techniques | 10 |
| Use knowledge of medical terminology | 40 |
| Use sanitation practices in health care settings | 48 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 93

Focus Occupation: Medical Appliance Technicians (51-9082)
Associated Occupation: Orthotists and Prosthetists (29-2091)

| Tools and Technologies | Exclusivity |
|--|-------------|
| Cameras | 2 |
| Casting equipment and parts and accessories | 47 |
| Computer data input devices | 2 |
| Computers | 1 |
| Cutting and crimping and punching tools | 3 |
| Forming tools | 2 |
| Holding and clamping tools | 3 |
| Holding and positioning and guiding systems and devices | 23 |
| Industry specific software | 1 |
| Laboratory ovens and accessories | 15 |
| Length and thickness and distance measuring instruments | 2 |
| Machine tools | 7 |
| Measuring and layout tools | 3 |
| Power tools | 2 |
| Pressure measuring and control instruments | 10 |
| Rough and finishing tools | 5 |
| Rubber and plastic processing machinery and equipment and supplies | 35 |
| Soldering and brazing and welding machinery and supplies | 6 |
| Textile working machinery and equipment and accessories | 51 |
| Vision protection and accessories | 3 |
| Wrenches and drivers | 2 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.